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NEW USSR BOOKS ON INDUSTRIAL POWER

4. Selection and Operation of Electrical Equipment in Mines (Vybor i eksploatatsiya elektroustanovok shakht), N. A. Letov, Molotov, Molotovgiz, 1950, 364 pp with sketches, 3,000 copies, R 12.50

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This book is divided into the following sections: distribution system and transformer substations, overhead and cable networks, electric motors, low-voltage distribution and starting equipment, dc converters, electric lighting, storage batteries, electric welding, warning, protective and grounding equipment. Describes methods by which power utilization can be improved in mines.

5. Capacitors for Increasing the Power Factor (Kondensatornyye ustanovki dlya povysheniya koeffitsienta moshchnosti), B. A. Polyakov, Moscow-Leningrad, Gosenergoizdat, 1950, 176 pp with sketches, 5,000 copies, R 10.00

Describes the layout and construction of capacitors for increasing the power factor, and discusses the electrical processes taking place within them.

6. Elements of Automatic and Telemechanic Apparatus (Elementy avtomaticheskoy i telemekhanicheskoy apparatury), B. S. Sotskov, Moscow-Leningrad, Gosenergoizdat, 1950, 660 pp with sketches, 5,000 copies, R 33.00

Contains information on the principles of construction, the theory, design, and characteristics of the principal elements of automatic and telemechanic apparatus, including relays, transmitting elements, amplifiers, stabilizers, distributors, and working elements.

7. Research in the Field of Steam Turbine Regulation (Issledovaniya v oblasti regulirovaniya parovykh turbin), edited by M. Z. Kheyfets, Leningrad-Moscow, Gosenergoizdat, 1950, 251 pp with sketches, 2,000 copies, R 16.00

Consists of a summary of theoretical works carried out in the Bureau of Steam Turbines of the Leningrad Order of Lenin Metallurgical Plant imeni Stalin. The articles are mainly concerned with the stability and self-excited oscillation of the speed regulation systems, regulation stability taking into account the effect of distributed mass and the compressibility of the medium, and the effect of a servomotor with double amplification on the characteristics of speed-regulation processes.

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